

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001937

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B22F 3/105 // B29C 67/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B22F, B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0181031 A1 (ARCAM AB), 1 November 2001 (01.11.2001), figure 1, abstract --	1-21
A	US 5932059 A (HANS LANGER ET AL), 3 August 1999 (03.08.1999), abstract --	1-21
A	US 5352405 A (JOSEPH J. BEAMAN ET AL), 4 October 1994 (04.10.1994), abstract --	1-21
A	US 5132143 A (CARL R. DECKARD), 21 July 1992 (21.07.1992), abstract -- -----	1-21

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

10 March 2004

Date of mailing of the international search report

11-03-2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Anna-Maj Magnusson/MP

Telephone No. +46 8 782 25 00

Form PCT/ISA/210 (second sheet) (January 2004)

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/SE 2003/001937

WO	0181031	A1	01/11/2001	AU	5284601	A	07/11/2001
				CA	2407073	A	01/11/2001
				CN	1426335	T	25/06/2003
				EP	1218685	A	03/07/2002
				EP	1296788	A	02/04/2003
				JP	2003531034	T	21/10/2003
				SE	521124	C	30/09/2003
				SE	0001557	A	28/10/2001
				US	6672533	B	06/01/2004
				US	2004026807	A	12/02/2004

US	5932059	A	03/08/1999	DE	4309524	C,R	25/11/1993
				DE	59406372	D	00/00/0000
				EP	0690780	A,B	10/01/1996
				SE	0690780	T3	
				JP	8504139	T	07/05/1996
				WO	9421446	A	29/09/1994

US	5352405	A	04/10/1994	NONE
----	---------	---	------------	------

INTERNATIONAL SEARCH REPORT  
Information on patent family members

27/02/2004

International application No.  
PCT/SE 2003/001937

US	5132143	A	21/07/1992	US	5316580	A	31/05/1994
				US	5597589	A	28/01/1997
				US	5616294	A	01/04/1997
				US	5639070	A	17/06/1997
				AT	116179	T	15/01/1995
				AT	138293	T	15/06/1996
				AT	138294	T	15/06/1996
				AU	603412	B	15/11/1990
				AU	632195	B	17/12/1992
				AU	659289	B	11/05/1995
				AU	1046688	A	06/05/1988
				AU	3524193	A	13/05/1993
				AU	6834690	A	14/03/1991
				BG	47343	A	15/06/1990
				BR	8707510	A	21/02/1989
				DE	287657	T	18/08/1994
				DE	3750931	D,T	11/05/1995
				DE	3751818	D,T	26/09/1996
				DE	3751819	D,T	26/09/1996
				DE	8718128	U	01/02/1996
				DK	329888	A	15/08/1988
				EP	0287657	A,B	26/10/1988
				SE	0287657	T3	
				EP	0538244	A,B	21/04/1993
				SE	0538244	T3	
				EP	0542729	A,B	19/05/1993
				FI	84329	B,C	15/08/1991
				FI	882881	A	16/06/1988
				HK	194796	A	01/11/1996
				HK	205796	A	22/11/1996
				HK	205896	A	22/11/1996
				HU	56018	A	29/07/1991
				HU	209081	B	28/03/1994
				JP	1502890	T	05/10/1989
				JP	2542783	B	09/10/1996
				JP	2620353	B	11/06/1997
				JP	2800937	B	21/09/1998
				JP	6192702	A	12/07/1994
				JP	8260163	A	08/10/1996
				KR	9608015	B	19/06/1996
				KR	9613714	B	10/10/1996
				MC	1931	A	19/05/1989
				NO	175244	B,C	13/06/1994
				NO	882670	A	16/08/1988
				NO	920877	A	16/08/1988
				RU	2021881	C	30/10/1994
				US	4937420	A	26/06/1990
				US	5017753	A	21/05/1991
				US	5155324	A	13/10/1992
				WO	8802677	A	21/04/1988
				CA	1284868	A,C	18/06/1991
				US	4863538	A	05/09/1989
				US	4938816	A	03/07/1990
				US	4944817	A	31/07/1990
				US	5076869	A	31/12/1991

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

27/02/2004

International application No.  
PCT/SE 2003/001937

US	5132143	A	21/07/1992	US	5147587	A	15/09/1992
				US	5296062	A	22/03/1994
				US	5382308	A	17/01/1995

---